

# HORN BUILD

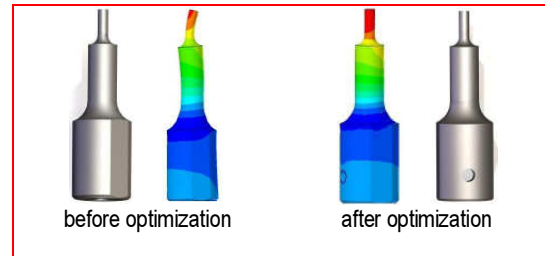
for ultrasonic welding... with guarantee!

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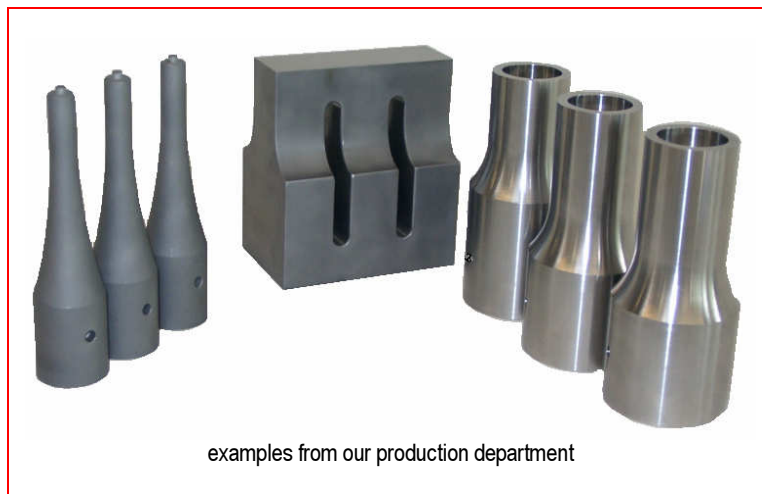
We design, build and optimize horns

- in all frequencies
- in all materials
- for best prices
- in shortest delivery times
- for all areas of business
- for all ultrasonic machines
- FEM - optimized
- with **guarantee!**

Examples for optimization



The optimizing of horns is quite unspectacular, but very effective. In the above-mentioned example we only changed a few geometric and some masses proportions. So we could expand the life cycle of the horn significantly.



examples from our production department

from 15 to 40 kHz

Titanium, Aluminium, different Steels

optimized production with up-to-date  
CNC – machine tools;

delivery time usually within 2 – 8 days

automotive; medicine; packaging; foils...

Final Elements Analysis on principle

Laboratory for applications in our company  
in Münster

We guarantee:      optimal resonant frequency!

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## Page 2



A good horn design has to be able to meet numerous demands.

Meeting these demands requires a suitable CAD – program combined with powerful Finite-Element-calculation to not only construct, but also to optimize design.

Also imperative is a sufficiently sophisticated plant with suitable machine tools to enable a cost effective construction..

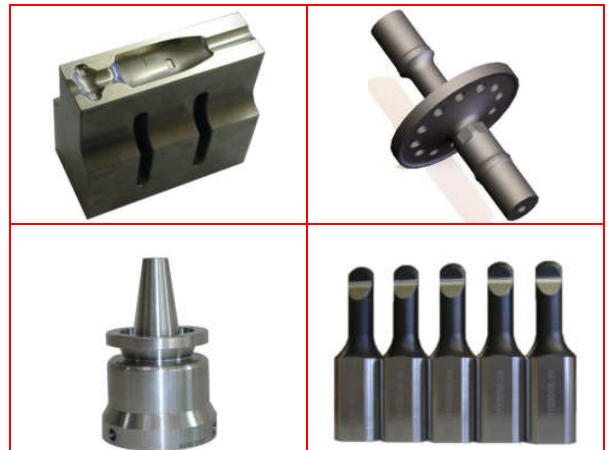
Finally, it is important to maintain short delivery times in order to avoid delays to the customers' production process.

We design, build and optimize horns for ultrasonic plastic welding-machines of **all manufacturers**.

In pricing we distinguish between design and production costs. Design costs are only applicable on the first order, for repeat orders only production costs will be charged.

We **guarantee** optimal resonance frequency of our horns!

And - we would be pleased to receive your custom!



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